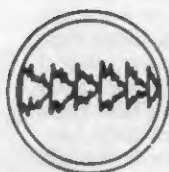


THIS MONTH WE SALUTE



The Florida Side Banders Association

See Ad and Column
On Page 13

FLORIDA SKIP

Vol. 10 No. 9

The All Florida Radio Amateur's Publication

February 1967

Price 20¢



This handsome group met Jan. 7th to form the new Carol City—Opa Locka amateur radio club. See **NEW CLUB IN DADE** elsewhere for details. Left to right: Steve, WB4EIZ; Emil, WB4CJV; Al, WA4ZEV; Jim, WA4TWD; George, WA4LJG; Earl, WA4TVN; Scotty, K4JUT; Mel, WA4NHT and John, WB4ARA. Good luck gang. (See story on Page 4).

(Photo by RICHARD Miami Lakes)

Successful Radio License Course

The highly successful radio license course given at the Southwest Miami High Adult Education Center, 8855 S.W. 50th Terr., will start a new class February 1, 1967.

The commercial license course is an advanced study of electronics and is designed specifically to enable the electronics technician to pass the FCC Commercial Operator and Amateur Extra Class License Examination. The fee for enrollment is \$2.00 and the time is from 7 to 10 PM Monday, Wednesday and Thursday.

The Amateur course started the first week in January.

ANOTHER PUBLIC SERVICE

On Christmas day, a Panama City (Fla.) man died of a heart attack, Mr. Charles Carlson. The family trying to get a telephone call into Cleveland, Ohio could not do so because of the Christmas phone pileup.

WA4IMC, being Mr. Carlson's grand-daughter's boyfriend, was asked to get a message to Cleveland. Getting on 40 and 75, IMC could not find a station.

After 15 minutes, he called Mac, W4IKB in Chipley, Fla. on 2 meters for assistance. Mac getting on another band, also tried to find a station. After about 20 minutes Charlie (IMC) found K8UVK, Jim Higgins in Cleveland. The message was then relayed with the help of

(continued on Page 11)

Bothersome Beams

By G. JACOBS WA4PDM/WA5RAN
North Texas State University

YOUR model XXXXX Beam doesn't work, it has.....and won't..... Letters of this type arrive at beam antenna manufacturers regularly. In an interview with "Barney" St. Vrain W6PXE, chief engineer at Mosley Elect. these problems were discussed.

Dealing with new beam antennas only, the main problem usually lies with the user's assembly (just like T.V.I., and as hard to convince a person of). Remember the manufacturer spends considerable time and money in the research, manufacture, and service of these items.

Most errors fall into two main categories according to "Barney", namely high SWR and poor Front to Back Ratio.

Presuming that these measurements were made properly with an accurate SWR Bridge (at antenna between beam and line) and a field strength meter also at your antenna, you might consider the following solutions. HIGH SWR—Remove any balun you placed on a Mosley tri-band beam.

—Are traps on backwards? Look for color code; if sanding for a good connection don't sand color code too!

POOR F/B RATIO

—Improper assembly, following instruction.

—Lack of clearance with surrounding objects (1/4 wave length plus).

—"cussed conditions" — i.e. short skip etc.

—Believing yours or the other fellows "S" Meter.

—Poor solder connection at xmit line (roof weather cond)

These are some of the most common questions; for more detailed information write Mosley Elect. for TIPS FOR TOP

(continued on Page 4)

New QCWA Chapter

Al Bates, WA4FIU

The new Gator QCWA Chapter embraces an area east to include Orlando and south to Ft. Myers, North to Valpariso and we have about fifty members on the roster. We had a meeting a week ago at Del Webb's Sun City, south of Tampa and had an attendance of 39 which was beyond expectations.

The QCWA has an "On the Air" meeting every Sunday morning at 10 AM on approx. 3910 KC. We invite any member or prospective member to join in the QSO. About 20 or so plan on being at the Miami Hamfest in January at which time we expect to get together for a meeting. On Feb. 22 Wed. (Washington's Birthday) we are going to have another meeting at Del Webb's Sun City. They serve a very tasty meal for \$2.00 and that is the total cost as there are no dues. A good eye-ball is the main item on the agenda.

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Dear Mabel XYL Award, c/o Skip, Box 501, Miami Springs, Fla.

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FSBA. Chuck Ritchie. W4BUG. 4224
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Florida - 33432

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FMTN, W4AKB, Miami
FLAMINGO, W4EDP, Miami
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SEC-EASTERN SEC. Andy Clark, W4IYT. 41 Lenape Dr., Miami Springs 33166.

SEC-WESTERN SEC. George Thurston, W4MLE, 2116 Gibbs Dr., Tallahassee.

From The Editor

We wish to thank everyone who sent us Christmas and New Year cards. They were all lovely. We are sorry we were unable to return a card to everyone. With 6 little ones under foot, at Christmas time - need we say more? We had a wonderful Christmas. Joan and Jane, now 19 months old, didn't know which way to turn on Christmas morning. It didn't take them long however to get into the swing of things when Andy Lee, Mary, Anne and Nancy started to open their gifts Santa left. Toys, boxes and paper went flying in all directions and by 9 p.m. ole Mom and Dad - HAD IT. Gosh we're happy Christmas comes but once a year! Aren't you?

It was a real pleasure seeing so many of our SKIP members at the HAMBOREE this month. Thanks also to the dozens who signed up with us for this coming year. We hope you enjoy SKIP and please feel free to send us your photos, hambars, letters and tech articles.

Speaking of tech articles, SKIP was never intended to be a Tech-type magazine, however; we welcome all semi-tech articles for publication. If possible submit all diagrams in India black ink on white paper. We can reduce them down to fit the page.

We'd like to welcome Lee Wilson W4KUD, as my new assistant. Lee is part owner of a local Miami BC station. He is active on the bands and lives here in Miami Springs.

If possible be on the look-out for SKIP advertisers - large or small. Have them drop us a line for details.

Once again - best wishes to all in 1967. 73 AC



Letters To Editor

Dear Andy,

I thought I would write and express my views on SKIP and the Florida amateur fraternity.

I moved from Morehead Kentucky, where I was EC for 15 counties. We only used our emergency communications set-up once during the time it was in organization and that was a long distance telephone failure. We had several SET's and had a lot of fun.

I am a Senior in Leesburg High School and have a general license.

I want to say that I enjoy receiving SKIP each month and think the Amateur fraternity in Florida is a wonderful one.

With best regards,
Zach, WA4TJS

Thanks alot for your news of the QSL Bureau in the F.S., however, I would like to make some corrections in W4WHF's article in your Nov. issue.

1. It is FRYE Institute no Frey.
2. Charlie Weller Sr. (K4MRZ) not Jr. (K4MRK) he has been off at school for 8 years, Hi.

3. I am NOT A very active ham, except in the QSL Bureau, Hi.

4. 80,000 cards were received from DX contest not 50,000.

5. Stacks of cards are gone thru in alphabetical order A-Z. We do NOT WAIT for stacks to get too large to hold anymore before we process them. But some were processed out of order because they were getting too large.

You of course know that the WA, WB, WN portion of the QSL Bureau is now transferred to WA4WIP Dick Tesar 2666 Browning St., Sarasota Fla. 33577. The FARC will continue

to handle the W&K proton. We had 54 members when Larry visted us and we now have 74. All of the dead file on hand for over one year has been disposed of. We just completed the Zs and are starting a new cycle with the As (both for W4s & K4s) it is taking us about 60 days now to complete a cycle. This is the fastest we have ever been able to process. We are now receiving about 6 to 8 thousand cards per week and still spend about 200 manhours a month i the bureau.

C. S. Weller, K4MRZ
1404 Learning Ln.,
Chattanooga, Tenn.,
37411
Jan. 2, 1967

ANDY

I read with interest one item in SKIP this past issue which made me laugh. It was one by Leo W4VLN regarding the use of his monitor to work on the air.

Back about 35 I had a situation come something like his. I had only a small rig on the air and it went out on me one evening. I wanted to be on the air so I took my regenerative receiver and put the key in the B plus lead to the detector stage. With the key closed we could receive and with it open we were on the air.

The receiver used a pair of old 201A's as a regenerative detector and one stage of audio. Power on the detector was from one 45 volt B battery dropped somewhat by the regeneration control. I have no idea of the power input but it did work out in town fine and we worked Tampa and other nearby towns from St. Petersburg with no trouble at all on 40 CW.

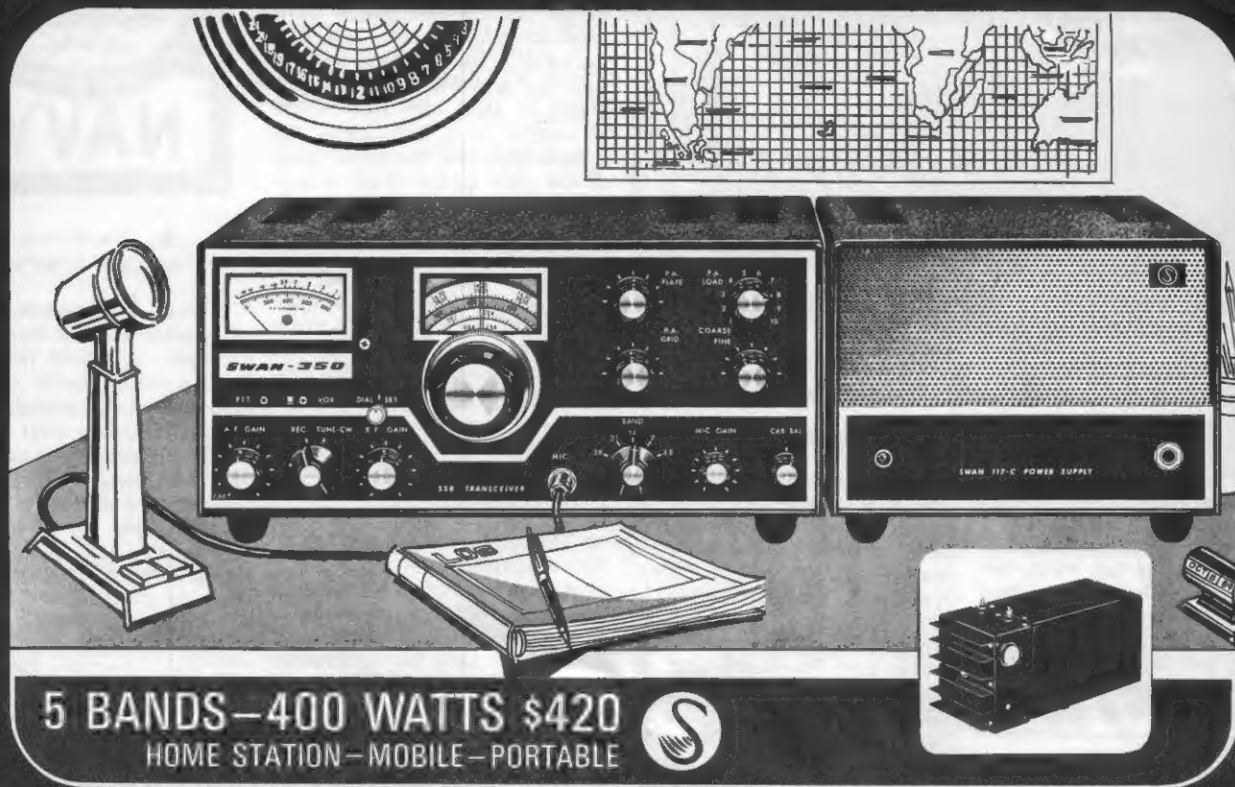
73

Bob Cain W4BQW Tavernier, Fla.
P.O. Box 316 33070

(continued on Page 15)

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Barney St. Vrain W0PXE, Chief Engineer at Mosley checks on an antenna problem in the Mosley plant. (Photo by ex-WA4 PDM)

BOTHERSOME BEAMS

(continued from Page 1)

PERFORMANCE and MOSLEY TRAP ANTENNA SYSTEMS - CHECKING, MAINTENANCE, AND REPAIR.

If you are still having problems write your manufacturer - but please after his reply let him know what happened. This will allow them to improve directions, corrections, etc. PLEASE let them know at any rate - it is vital! If it still doesn't work - GIVE it to Andy!

TO BE OR NOT TO BE A HERTZ

Hertz City, Florida, January 25, --- A three year old boy inadvertently peddled his trihertz in the path of an oncoming motorhertz. The hertzist lost control tryin to avoid the lad. Both the hertzist and the motorhertz did several hertzoids before coming to a stop. The motor hertzist was identified as a Mr. A. C. Cycle, 60 of nearby Currentown, Florida. In the accident report, it was stated that Cycle said "It only hurtz when I laugh."

(From Collector & Emitter W5-JKK Ed.)

New Club In Dade

To use an old cliché there is now a new star in the firmament. At the annual dinner of the 6 M Den on Saturday night, January 7, the Carol City - Opa Locka Amateur Radio Club was formed.

Earl, WA4TVN, was elected temporary President and the first formal business meeting set up for Wednesday night, January 11, at the QTH of WA4LJG.

Regular meeting place and time will be announced later.

George, WA4LJG, has donated the club a FB 6M rig and Jim, WA4TWD, is placing his Volkswagen Van at the disposal of the club for field day, shopping centers, etc. This has full coverage 2M thru 75M.

The club will be active in District 11 Civil Defense and will from time to time conduct Novice Classes.

We extend to all, and especially those amateurs in North Dade, a most hearty invitation to join the club -- See you next month.

73

Jim WA4TWD

How Is Your Duty Cycle?

In considering power supplies for transmitters, it is important that the duty cycle of the transmitter be considered. I have mentioned before the fact that for an SSB transmitter, the power transformer can be much smaller than one that would be used in a broadcast AM transmitter and this is because of the duty cycle of the transmitter. So let's take a look at duty cycles of various types of transmitters.

In ham radio, right off the start we could assume that the transmitter has 50% duty cycle because we talk for a period of time and presumably the other fellow talks for the same time. This may not be entirely true but is safe estimate and in any system a safety factor should be included.

The largest duty cycle would be encountered with an AM or FM transmitter where there is continuous carrier. FM would be exactly 50% but AM would be less if the same power supply is used for both the modulation and the carrier. The AM would be less because no one talks continuously. There are the normal pauses between words, at the end of a sentence and others, plus the fact that you have to stop and take a breath. The figures are available regarding this pause because the telephone company takes advantage of this on the long distance lines. Every time there is a pause in the conversation, they send other information over the wire in short bursts. Traffic from up to 12 sources plus traffic from one voice line can be handled. The other traffic is primarily electronic data communications. From this, it would seem that we don't talk

(continued on Page 12)



By Jim Wilson,
W4GDK, N0WCK

Despite a Christmas holiday shutdown of NM facilities in Vietnam for about two weeks, considerable traffic was handled stateside. In South Florida alone the traffic total was 1550 messages in 293 hours of use of our frequencies. South Florida continues to have large numbers of check-ins on their 2200 Z daily net on 4015 USB, to handle traffic which comes from the morning district net and three transcons each night.

Area Coordinator for N.E. Florida - Georgia Denman N0 ZTC of Orlando, reports that the leaders with the most check-ins for December were N0SPD, both on phone and CW net, and N0YJG on two meters. These two stations also provide liaison with the South Florida nets and are very helpful on traffic. North East Florida also welcomes aboard two new members: N0HOA and N0HIN who is now in Brooksville, Florida, thus giving N.E. Florida another link on its two meter net. Georgia thanks all members who spent so many hours on nets during the holiday season and wishes them a Happy New Year.

We welcome inquiries about Navy MARS from any SKIP readers who may address this correspondent at 1204 Avocado Isle, Ft. Lauderdale, 33315, or contact W4GDK on the air. If you are from another state we will be glad to put you in touch with the coordinator of your area.

Silent Keys

We are deeply sorry to report the passing of two more Florida amateurs:
Bill Zellers, W4IIL, Hollywood, Florida
Kenneth C. Smith, WA4GMT, St. Petersburg



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VHF EASTERN FLORIDA

By Bertha Farr Eggert
WA4BMC

The Broward County 2 Meter net, which meets on Monday night, at 8:00 PM est, on 145.-230, is a very nice net. They have promised to send me news from that area each month and I will put it in the Skip Column. Gloria, WN4ECU, YL of WA4-UYO, in Ft. Lauderdale, is on every week. We hope we can get her Dad to supply her with a CW rig, so all you young OM's look for her call on 40 CW: that is, if her Dad gets her the rig. I met Ken, her Dad, and WA4HXT, Harry and WA4NFM, Al and Dick, WB4CBO on their net one Monday night and had a very happy evening, QSO'ing with them.

On Jan. 3 of the new year, we had Mike, WN4CKE, from Plantation on with us during the Palm

The Ancient Art Of Finger Talking

I often wonder how many hams who have given up CW really know the great satisfaction of being able to copy CW without writing it down? If you never stick to it long enough to copy it in your head I don't believe you are competent enough to pass judgment on CW.

This code business is like learning a foreign language in school and learning it while in a foreign country. In one case you have to translate everything. In the other you think and speak the language.

If you will stick to CW long enough to learn to copy it in your head I feel sure you won't care to give it up. It's another accomplishment, something to be proud of. It is a most pleasant change from the incessant chatter you now hear on the fone bands. An additional gratification is the lack of the many breakers horning in on your conversation.

I do not believe CW is going out as fast as some of the fone boys would have you believe. I think the cycle is changing again. I am now working old timers of CW that I have not heard from for 20 years or more. Viva CW, long may it live!

Onyx

Beach County 2 Meter ARPSC net, along with WA4YBK, Bill from Goulds, and another Bill, WB4CQW, from Homestead. Welcome to the net and we hope you can check in each week. We meet on Wednesday nights, at 8:30 PM, est, on 145.350. It was a pleasure to find Kris, W4FCP, from Sebring, back on 2 meters, and with a beautiful, loud signal.

For those interested in shooting scatter, VE3EJC, Cliff will be on the low end of 2 meters and on 432.010, running 25 watts on 2 meters and 40 watts on 432 and is getting an amplifier. He has 15 states confirmed and is looking for skeds. He will be on 4 or 5 evenings in a row, on

the sked. frequency. Anyone interested may write to him.

I hear that Oscar 5 will be in orbit sometime in the spring, put up from DL-land. Similar to Oscar 3, it will have a translator-in low end and out high end of 2 meters.

See you on 2 meters, we hope. 73.
Bertha WA4BMC

CABLE GUIDE

Thanks to the Vermont MARS Technical Bulletin for the following COAXIAL CABLE GUIDE by A1BXT.

RG NO.	IMP. (OHMS)	RG NO.	IMP. (OHMS)
5/U	52.5	59/U	73
5A/U	50	59B/U	75
5B/U	50	60/U	50
6/U	76	61/U	500
6A/U	75	62/U	93
8/U	52	62B/U	93
8A/U	52	63/U	125
9/U	51	63B/U	125
9A/U	51	64/U	48
9B/U	50	65/U	950
11/U	75	71/U	93
11A/U	75	71B/U	93
13/U	74	77/U	48
14/U	52	78/U	48
14A/U	52	87A/U	50
16/U	52	88/U	48
17/U	52	101/U	75
17A/U	52	102/U	140
19/U	52	108/U	76
19A/U	52	108A/U	78
21/U	53	114/U	185
21A/U	53	114A/U	185
22/U	95	117/U	50
22B/U	95	119/U	50
23/U	125	122/U	50
25/U	48	126/U	50
26/U	48	140/U	73
27/U	48	141/U	50
28/U	48	142/U	50
33/U	51	143/U	50
34/U	71	144/U	72
34B/U	75	174/U	50
35/U	71	178B/U	50
36/U	69	180B/U	95
41/U	67.5	188A/U	50
54A/U	58	195A/U	95
55/U	53.5	196A/U	50
56/U	--	213/U	50
57/U	95	214/U	50
58/U	53.5	217/U	50
58A/U	50	218/U	50
58C/U	50	223/U	50

CLUB NEWS

INDIAN RIVER

By: D.R. Klobe WA4KJV

A Christmas message handling party was set up December to follow the Thanksgiving Day message handling Party. . Message handling center's were set up in various shopping center's around the area. Over 400 messages were originated and again, with the help of Mars and various member's of the Florida traffic net's the traffic was rapidly moved. The message center's were well received by the public. It showed the public that Ham's can do something else besides mess up their favorite T.V. programs hi hi. Again thanks to all for helping make it such a success.

A very interesting film was shown this month by Harmon Strieter, W4DQS on a DXpedition in April, 1965 he and four other Ham's plus 1 went on. They left Miami VIA plane and boat for a small island by the name of San Felix 600 miles west of Chile. Three and a half days were spent on the island and approx 6500 contacts were made on 80 thru 15 SSB and CW in that time. The call used on the island was CE6XA. The group consisted of W4QBJ of Hollywood, Florida, W8FGX and W8ZCT of Cincinnati, Ohio, W9EVI of Chicago, Ill. W4DQS of Cocoa Beach, Florida and Geo. Allendorf also of Cincinnati. The film was in color and the scenery was really out of this world. We were told by Harmon that the island itself was just a big hard rock, no vegetation and plenty of fly's. I wonder who was the chief fly swatter? Harmon said fun was had by all, however, in spite of the fly's hi hi. The film was sure enjoyed by all who saw it. I understand Harmon may have another DXpedition in the mill.

Remember, our club meets on 3825 KC at 0900E every Sunday morn. Drop in es sa GM.

Best 73's till next month. Don.

SUNCOAST ROVING REPORTER

By Cathy Soehl - W4BAV

The holiday festivities over, we start looking forward to a bigger and better 1967, with lots of good hamming.

SPARC annual Installation Dinner was held Jan. 13th at the Sand Dollar Restaurant, St. Petersburg.

K4RKY-Pete, Bay Pines, has not been heard as frequently on the air, due to having surgery on his lower jaw in Dec. After a 6-months healing period, he will have plastic surgery. Pete's anticipated trip to England to visit daughter and family has been cancelled as a result. Good luck, Pete.

We hear, via the grapevine, that K4NAN-Brian is now in the Air Force.

Welcome to the Suncoast area W1-FBJ-Win Ramsdell, Sarasota, who has just received his new call of W4LAT.

Reported in Dec. that WA4YCV-Paul and XYL, WB4CSF-Liz had moved from Sarasota to Pinellas Park. Now we find they have sold their house and moved to their property on the lake near Brooksville-Rt. 4, Box 1743.

Memory trick used by electrical and electronics men for the color code is a slogan "Blackie Brown runs over your grass but Violet Gray wouldn't." The colors used are black, brown, red, orange, yellow, green, blue, violet, gray and white on resistors, etc.

K4ENW-George and XYL, K4LFA-Dot, now living in Titusville, returned to their old "stomping grounds" during Xmas holidays, to visit friends and relatives in St. Pete, Clearwater and Daytona Beach.

W4BAV-Cathy and OM, W4GHR-Bill enjoyed a visit from W2GYG-Win and XYL-Flor, from Westfield,

N.J., who were spending the holidays with their daughter in Sarasota. Cathy had known Win and Flo for many years. Also K3LFZ-Esther and OM-Henry, from Levittown, Pa., spent a few hours with Cathy and Bill.

ORLANDO RAMBLINGS

Hal W4BKC

Guess old Santa is having trouble with his eyes as he couldn't see all that ham gear on my list-printed it real large too. Mrs. Claus has better vision she left a nice new Ham M rotator so now I can put that CDR where it belongs--on the TV antenna.

Formal net sessions on two meters were suspended Dec. 15, 1966 and were resumed on Jan. 9, 1967. Traffic was passed during this period between Lake Mary and Orlando and between Orlando and Lake Mary for the Sanford area some of it from Viet Nam.

Got a letter from Clint, WA4FNW who is at Fort Polk, La, saying that he will be returning to Orlando soon and rejoin the gang.

Talked with Ace, K4AKQ the other day. He has taken up stamp collecting so all you philatelists drop him a line. He has alot of duplicates to swap.

Had a two meter contact with Jack, WA4TMU at Bonita Springs. Some may remember him as W3AOF when he used to visit Orlando several years ago.

Couldn't make the Miami Hamboree Jan. 21 and 22, it was one of my working weekends. Understand that Mac, K4TMN and others from the Orlando area attended. Sure hated to miss it. Have a Happy and Prosperous New Year with lots of DX.

POLK COUNTY

Most of this month's meeting was taken up with the discussion of the tragedy that befell Russ Beymer WA4ZRA when his son Roy was in an accident. After being in the intensive care ward in Lakeland Gen. Hosp. then being moved to Gainesville for an operation with the use of the heart and lung machine. He is reported to be doing fine.

The Club voted to go along with the Polk Co. ARPSC 6 Meter Net in sending contributions for Russ to Rev. C. W. Plank, P.O. Box 217 Eaton Park, Fla. Zip 33840. Russ who is very active here in Polk Co. and is always giving a helping hand to those who need it. CUL. 73 Ken.

FLORIDORA NEWS

by Cathy Soehl-W4BAV

Now the holidays are over, it is time to get out the aspirin to ease the headaches from bills coming in and INCOME TAX! Hi! For the Floridoras it is time to start planning for our 10th Anniversary coming up at the Orlando Hamfest Apr. 29th and 30th and give serious consideration to election of officers. PLEASE help get candidates and serve if asked. Let's keep the Club active and our popularity!

Our heartfelt sympathy to W4UEW-Helen, whose Mother recently passed away.

K4EAC-Hilda, best wishes from all of us for many years of happiness to you and Jim-K4LYS in your forthcoming marriage.

K4HSC-Meg is very happy with her new beam put up by her son and friend during the Xmas holidays.

K4ICA-V. Mayree advises she must resign as Editor of YLISSB publication "Voice" due to take care of her ill mother, who we trust will soon be better.

W4IUR-Mims and OM, K4VNA-Walt's son, Bill of Orlando, retired from the Air Force end of Dec. after 20 years service and is working with an Electronics Company.

K4RED-Lucy, a former Floridora Pres., sent greetings to all the Floridoras and regrets she cannot write or keep in touch by radio due to her health problem. She called a couple of girls when she was home but was returning to the hospital. Am sure she would appreciate hearing from all.

W4QBY-Dorothea, K4RHL-Ellie and OM, Jake enjoyed a tour of the submarine "Sea Cat" when it was docked at Port Everglades. W43B-QU-Al, radio operator aboard, extended the initiation and arranged the tour.

W4UF-Dot and OM enjoyed their stay on a 7800 acre tract of wildlife in Texas, while doing research on their book. Congrats to Dot on passing her Extra Class License.

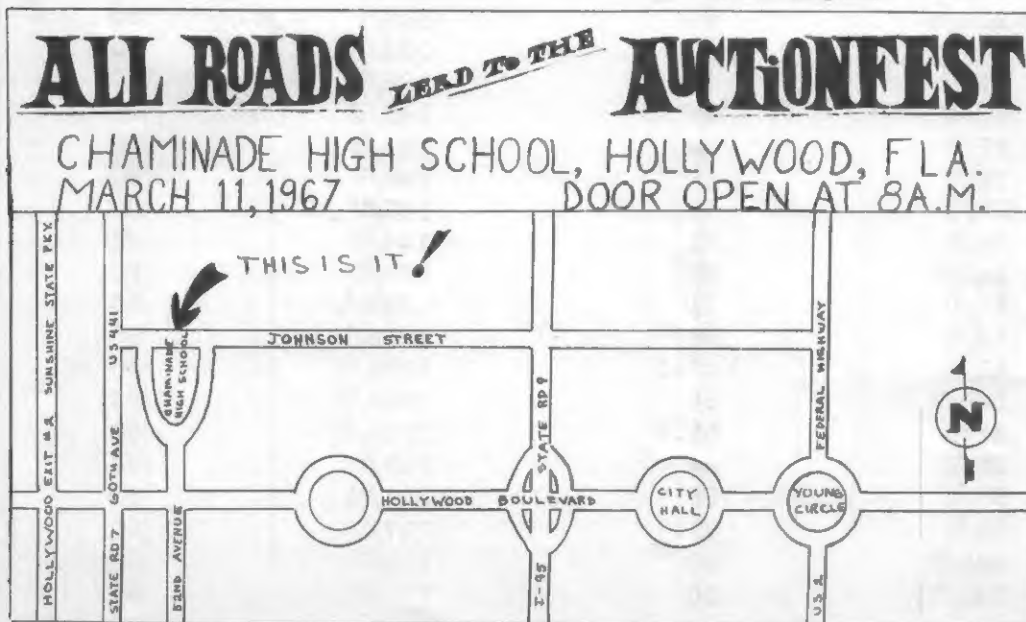
W4WPD-Shirley is now Speech Amplifier for Knights of Kilocytes. Congratulations.

TAMPA AMATEUR RADIO

By Marvin M. Bostian, WA4HDK

The Tampa Amateur Radio Club dispensed with its first regular meeting this month, feeling that the members would be in no condition to attend the meeting January 2.

The meeting on the 16th was held at the club house with an excellent attendance. Our president, Glenn Averill, WA4LLU, reviewed the arrangements that had been made for the Amateur Booth at the Florida State Fair. All arrangements are reasonably well complete, and Jim Birmingham, W4KRC, announced that he still needed some members to help with the counter. The business meeting was concluded and Frank Shannon, K4GT, presented a very interesting talk on



CLUB NEWS

his past experiences in ham radio. Frank is an old timer, but fairly new with this club; and his talk was well received.

Our next meeting will be February 6 and will be held at the Booth at the Fair. This is for last minute preparations for the Fair which opens February 7. One of the local TV weathermen has promised fair weather for the Fair, but the announcement was worded in such a manner that we are unable to find out who he is, so there can be no repercussions if we have rain or high winds.

DADE RADIO CLUB

By W4EDP

The Dade Club held the annual Christmas party last month, our hosts being Leroy and Marie Jacobs to whom we owe many thanks for an enjoyable evening. The ladies, as usual, exchanged gifts, and the men exchanged items from the junk box. Shades of Marconi—you should see what some of those characters have been hoarding. Everything showed up except a rotary spark gap, and that was expected before the evening was over. But it was all in fun and everyone had a good time.

Everyone that can has been working hard on the Hamboree to make it bigger and better this year. There are a million details involved in putting on a show as good as the Hamboree is expected to be and it takes one heck of a lot of work. The people involved deserve a lot of credit, more than they usually get.

Now that the holiday season is over the meeting schedule that prevailed last fall is being resumed. The first meeting of each month will have a featured speaker or program. And the second meeting will be devoted to business. So drop around the Museum of Science and Industry on the first Tuesday of each month or better yet become a member and be at the meetings on both the first and third Tuesdays. The time is 8 PM and everyone is welcome.

73 es gud DX. W4EDP

SUNCOAST VHF CLUB

By Nancy WA4EDL

Another year is under way and I hope it will be the best yet for us all.

This Jan. 13th is nomination of officers in the club and dues. Voting on these nominations will be the Feb. meeting. Let's all get our club bigger and better this coming year!

The holiday was saddened by the loss of one of our group, WA4GMT Smitty. He will be missed not only by Anne but by all of us.

Dec. 26th brought us a couple of "frozen hams" K8ONA Eunice and OM K8LMF Bernie from the Apricoters in Cleveland. Those who have missed this very active group on

51MC have not enjoyed a good DX roundtable. Enjoyed a lovely evening with them at W4OHJ Jack's QTH. Received lovely gifts, Ned a silver tie bar with gold mike and I a matching key chain. Now we are really members of the Apricot Net.

Feb. 4 and 5 is the annual Sweepstakes Regatta and Ned K4CNC was again asked to furnish communications. Each year they are expanding our group, proving once again that AMATEUR RADIO Operators are a reliable and capable group willing to pitch in and lend a hand where and when needed.

The club had a good Xmas party and was given the official news that there'll be a wedding in early Feb. K4LYS Jim and K4EAC Hilda. We're so happy for them both.

Hope the Hamboree was a big success.

B.A.R.C.

By Jim Wilson, W4GDK

A fine group of members and their wives gathered at Memory Lane in Ft. Lauderdale on Dec. 10 for our annual banquet. After an excellent meal we had short talks by ARRL director Chuck Bolvin and CD director Oliver Lovendahl. As a wonderful surprise we had present as a special guest Marcie Rice of the Canal Zone who is frequently called upon to be net control for the Hurricane Watch. She and her husband seemed to enjoy their visit with us.

The Ham of the Year Award was given to Hank Roth W4EVY for his outstanding work as Emergency Coordinator in reorganizing our emergency nets. Howard Smith received the 6 meter Fox Hunt Award for three consecutive wins. Dennis Wolfer won the "Least Mileage Award" for the Fox Hunt.

The change of watch brought us our new officers: President Jack Walwright W4IEH, Vice Pres. Sherry Friedlander WA4VMT. Secretary Zane McCreary WA4KXI, Treasurer Bernard J. Fox K4JKW and Comm. Officer James Rogers WA4ZBA.

The new slate of directors for 1967 were Major Al Hamel K4SJH, William Lando W4DXL, Oliver Lovendahl W4-AHZ, Fred G. Schmidt W4NYF and David N. Taggart K4GID.

BARC is anxious to remind all of our friends in South Florida to keep in mind our famous annual Auction-fest which this year is going to be held in a new place. It will be in Chaminade High School in Hollywood on March 11. This high school is just East of State Rd. 7 (US 441) between Johnson St. and Hollywood Blvd. You will hear more about it,



Another old-timer in Ft. Myers and Florida is Harry L. Fischel W4CQZ. Harry served as EC for Lee County and worked closely with CD and Red Cross for many years. He is owner and operator of a beautiful jewelry store in downtown Fort Myers. A4CQZ can be found also operating RTTY on the Army MARS frequencies. (SKIP Photo)

but please keep it in mind if you are interested in bargains.

BARC meetings are held the second Wednesday night of each month at 8 PM in the Broward County Medical Association Bldg., 2200 So. Andrews Ave., Ft. Lauderdale.

W. PALM BEACH AMATEUR

By John A. Benjamin Jr. W4HAW

It sure was nice to see all those hams down in Miami for the Hamboree. We had a ball. Hope to see you all next year.

The Club has started planning for Field Day in June. Maybe we'll work you.

We want to welcome back Pvt. John Szymanski USAF from basic. John is going into broadcasting at the voice of America. Good luck!

The regular business meeting was held the ninth of January and new and old business was brought. The Club will have several displays in our local shopping centers here in the greater West Palm Beach area. If you hear of one near you come on over and eyeball us. We sure want to see you!

For those who are interested, we have a linear which was donated to us by K4EVL.

We will have skeds on the air with anyone who is interested any night of the week on any Frequency. Just send a radiogram to me, John Benjamin, Secretary, 823 Newark St., or 1510-17th Avenue North in Lake Worth.

WESTERN FLA. NEWS

Frank M. Butler, Jr., W4RKH

Tallahassee: The 10-meter emergency net has been reactivated by WA4EAO. It meets Monday and Thursday, 8:00 PM EST on 28.8 Mc. W4MLE, while monitoring the 145.35 Mc. Intercom frequency, picked up an aero mobile and worked him for 500 miles.

Chipley: W4IKB was elected new Net Manager for WFPN, and will become Section PAM. He needs volunteers for NCS, ANCS, and liaison to other nets. W4IKB also has the HF bean at 95' and 2-meter beam at 110' now.

Panama City: WA4ZGI is mobile on 2-meters. WA4IMC handled an urgent welfare message to Ohio when landlines were blocked with Christmas traffic. W4FOX is installing 2-meter FM gear.

Fort Walton/Eglin AFB: W4RKH now runs 120w on 2-meters with a Clegg Zeus. W4HWF is new on 6-meters. WB4CNK is a radio D.J. when not hamming on 80-2 meters! W4ZGS is back at work on 432 Mc. gear. EARS has moved to larger quarters in Bldg. 809 at Eglin. WA3-BVI, EARS V.P., was transferred; the new V.P. is WB4CNS.

Pensacola: W4UUF and K4NMZ have put up vertical beams for 2-meters. WA4IZM is mobile with a Twoer for the 100-mile round-trip to work daily.

(Continued on Page 16)



Announcing

THE WORLD'S ONLY KNOWN CATALOG
DEVOTED EXCLUSIVELY TO HAM TV!!

Expanded line includes tube and transistor vidicon camera kits, monitors, lenses, vidicons, tripods, slow scan coils, plans, etc. Go ATV the easy, economical way. Send 10¢ for latest catalog.

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NET NEWS

FLAMINGO NET NEWS

By W4EDP

Another year and another operating season is on for the good old Flamingo Net. From where we sit and from the way the band has been cutting up we can look forward to a really wild winter session. Lots of DX on ten these days, and short skip galore to boot so we are looking forward to lots of breakers from all over these United States on Friday evenings hunting for the elusive Flamingo.

We all had a lot of fun on the net the other evening when the NCS Walt had an important phone call and turned the net over to a visitor in his shack, another Flamingo. It seems that the visitor can't read without his glasses and did not have them with him so he could not read the log to see who had checked in, who was next on the role call, who was absent, etc. Furthermore he could not make out the controls on a strange, to him, receiver. Confusion was in the drivers seat for a while, but it all worked out OK in the end. If anything can happen it will happen on the Flamingo Net.

W4BAL has been having lots of fun with a G4ZU bird cage antenna he is trying to get working, but for some reason the darn thing won't resonate properly. Maybe this "bird cage" is not designed for Flamingos. Have you thought of that Bob?

As Jim Dooley says "Come on down" to 29.044 at 7:30 P.M. on Friday and join in the fun, you are all welcome.

73 W4EDP

FMTN

By W4AKB

W4SDR, Clyde, our Net Manager is still in Halifax General Hospital at Daytona Beach. However, the word is that Clyde is progressing nicely; is in a wheel chair and roaring to get back on the air. Hope to hear you real soon Clyde.

We have received word that WB4-

ADN, Richard, in Jacksonville is confined to bed and in a cast. He did check in on cw Jan. 2nd so we hope he has everything under control and will be covered completely soon.

Many new stations have been checking in lately and we are happy to have them; AM, CW or SSB are all welcome. If any of the new check-ins desire to be placed on the Roll Call just advise the Net Control Station to this effect and you will be called each day.

FMTN meets daily except Sunday on 7230 kcs at 1200 noon or 1700z EST. The primary purpose is to handle formal traffic but when time permits informal traffic can be arranged.

There were 26 sessions in December attended by 620 stations handling 602 formal messages. Average QNI was 23.5; average QTC was 23.2.

During the month of December the following stations were NCS: W4AKB (9); W4WYL (7); W4ACOR (3); K4DAX (4); and W4ILE (3).

73, Charlie

FATT NET

By Bob Street W4IET

Several FATT (Florida Amateur Teletype Traffic) Net members already have, several more are building, and several more are in the planning stage on the TT/L converter. Seems like the Irv Hoff's K8DKC 1965 QST articles has set a "standard" for the ideal converter as far as most FATT members are concerned. Want information other than QST on the TT/L? Call Rex W4ZAG NCS. Not only can he supply converter information but also he has RTTY pre-punched tapes on various RTTY subjects. He can, within seconds dig up a tape. Say for example an article on "How to Adjust Your Printer for Space Downshift", Rex can have this much needed information on your printer within minutes (at 60 wpm). This is a fine service and Rex has supplied much information to the net in the way.

Speaking of our favorite subject: FATT, 19 different Stations checked in the net in December. Average messages handled per session was 4.8. The FATT net is growing and also handling its share of the traffic. Join the action on 2704kc EVERY NIGHT, F-1, any shift (under 900 cps).

Those in action in December were: W4ZAG, W4IMZ, W4VDC, W4IET, W4OKW, W4ACF, W4ELQ, W4VKH, W4IZZ, W4LPU, K4EBE, W44JYS, W4KKG, WB4BCZ, W4NUT, W4HAM, K4ANW, W4RIY and K7AHW/4. Starting last month FATT is now

tied into the Northeast RTTY Traffic net with K7AHW/4 Bernie relaying traffic. More about a nationwide RTTY hookup later and also a report on the Florida RTTY convention January meeting in Daytona, CU TONITE RB.

Split-Up Proposal

Just for talking-about consideration, the League has asked its Directors to think over the following proposal for splitting two VHF bands when (and if) the new licensing plans are adopted:

50.00 to 50.10 MHz: Telegraphy only for all classes of amateur licenses.

50.10 to 50.15 MHz: Radiotelegraphy for all classes and 3A3J (SSB) for Extra and First class licenses.

50.15 to 54.00 MHz: All modes presently authorized for all classes except Novices, who would be authorized radiotelegraphy only.

144.0 MHz to 144.1 MHz: Radiotelegraphy, Extra and First class licenses only.

144.1 to 144.2 MHz: Radiotelegraphy only for all classes

144.2 to 145.0 MHz: all modes presently authorized. All classes, except Novices would be authorized radio telegraphy only.

145.0 to 148.0 MHz: Not discussed.

This proposal would set up a situation many have long desired: A radiotelegraphy - only segment open both to Novices and Technicians. The thought is that exposure to radiotelegraphy might encourage Technicians to progress to General Class. Not that the extra eight words a minute is vitally important, but that all radio amateurs should at sometime be examined by a representative of the FCC. This is the thought that will cause cold chills of utter dismay to course up and down some backs!

(From COLLECTOR and EMITTER)

STOLEN EQUIPMENT

On January 7, 1967 between 8:30 and 4 PM a station wagon was broken into and a Swan 350 stolen. Serial number is C 49-7340. The power supply was not taken. This means that perhaps the culprit may be looking for a power-pack. If you have any information as to the whereabouts of this piece of gear please contact Mr. Sol S. Katz, WB20TH/4, 1515 S. 14 Avenue, Hollywood, Florida 33022.

QFN REPORT



BY
BOB
BLUMBERG
WA4OHO

Activity on QFN continues to increase as the new year "checks in". December net statistics show that a total number of 576 check-ins handled 831 pieces of traffic in 1369 minutes, for a rate of 0.607 messages/minute—a very efficient average. W4BVE says he is proud of the excellent record the net's members are making.

W4BVE reports that past QFN member K4UBR, currently portable 5, will be returning to live in Fort Walton Beach in May or June. Alan hopes Jerry may eventually become QFN Manager for Western Florida, so that he may take a well earned rest.

W4BGW, is back at the University of Florida in Gainesville as W4DFU. Al had to leave his newly acquired Phasemaster and II-B linear at home, unfortunately. QFN is glad to have W44JH, Mac, back after a month long jaunt up North.

If no NCS shows up at net time, this is no excuse for allowing the net to run uncontrolled. Even if you have never been NCS before, give it a try and you will see how easy and enjoyable it can be.

Net manager W4BVE reminds all NCS stations to get their QNS reports to him as soon as possible so he may keep his records up-to-date.

If you are the kind of ham who would like to handle traffic quickly and efficiently, whether you are a newcomer or an oldtimer, QFN wants you on 3651 kc/sec daily at 2330 and 0300Z.

ODE TO A HAS (OR MAYBE CRASH)

L.A. Connolly "C" W4DVO

What is that noise
I hear today
Friend that's XX
Atmospherics we say.

Well, do you copy
Signals thru that stuff?
Don't see how you do—
Man, it's really rough!

The old timer knows
The calloused ear
Doesn't hear the QRN
Only sigs—in the rear.

So - it isn't the rig
Or the receiver size,
But plenty of savvy
That wins the prize.

WANTED!
ACTIVE AMATEUR
GOOD WORKING
CONDITIONS
Call Miami 374-4101

TRAFFIC HOUNDS

By Ham K4SJH SCM EFLA

NET	QNI	QTC	SESSIONS	AVG QTC
FAST	1055	496	26	19.2
Gator	209	157	31	5.1
WPTN	577	153	31	5.0
FPTN	493	229	27	8.5
FMTN	620	602	26	23.2
TPTN	744	504	27	18.6
QFN	576	831	62	0.607
FATT	215	148	31	4.8
FATT	143	83	30 (Late Nov.)	2.4
VHFTN	125	175	25	7.0
SATN				

Blank spaces indicates reports not received this office.

8 FLORIDA SKIP, February 1967

E/F RM Static

By Reg Kramer W4ILE

There is an old saying "It's easier said than done", which of course if very true... but now, there has been something DONE to make it EASIER. Thanks to George Thurston, W4MLE and the ARRL we have an OPERATING MANUAL. Every newcomer and oldtimer alike should have a copy at his operating position. Read it—study it—become familiar with its contents and use it for ready reference.

FLOWERS AND CREDIT DEPT. . . . A special word of THANKS to WA4SCK for his dedicated and outstanding work on the Florida Traffic Nets during 1966. QFN, GN, FMTN, TPTN . . . we ALL thank you LJ.

"Variety is the spice of life" . . . and to many of us "hamming" is a good part of life. We would like to invite some of our SSB friends to come down and visit us on 3651 . . . any day of the week fellas, at 1330z, 2330z, or 0300z, bring a piece of traffic along if convenient . . . I'm sure old HERB, K4KDN and the other GATORS will welcome you with outstretched arms at 1330z and of course QFN always has the red carpet out for any of those new QN's. How about some of you ole timers, DX hounds and contest men, come back to see us.

Did a little visiting myself the other day. Checked into the NOVICE HURRICANE NET, which meets Saturday afternoons at 1930z on 7165, Fred, WA4YAK, Tampa, was hard at work with his fine crew of NHN members. Keep it up Fred. Here is a chance to work into traffic handling at slow speed. Do we have a need for expansion in this net? Please QTC

CIRCUIT BOARD TIP

Vern Dollhopf W8CUY from Saginaw, Michigan, while visiting in Ft. Lauderdale mentioned that a waterproof marking pen is very useful in making printed circuit boards. He says that the pen line drawn on the copper resists etching and leaves a good connecting line of copper. Later this can be cleaned down to the copper by rubbing with fine steel wool. What could be more simple than this, for drawing a complete circuit on copper to be etched?

Submitted by Jim Wilson, W4GDK

your views to WA4YAK, Net Mgr. Understand there is a certain neighboring state that has a daily slow speed net on 3718, 2200z, you may want to try it on for size.

The first edition of the FLORIDA TRAFFIC ROUTING GUIDE, is off the press. Through the courtesy of FLORIDA SKIP, a free copy was given to those attending the TRAFFIC HOUNDERS HAMBORÉE BREAKFAST. Additional copies are available from FLORIDA SKIP, Box 501, Miami Springs, Fla. 33166.

REMINDER—when QNY, it is the receiving station that calls first.

73,
REG W4ILE

Old-Time Broadcasting Stations

By Leo R. Scagliozzi, W4VLN

Turn back the clock some 42 years and you will find Elmer Lewis, W2CPD of New Jersey, in the role of chief engineer, chief announcer and construction engineer of a former Newark, N.J. radio station, WAAM. In a recent QSO "Lew" recalls the informality that typified programs of that era.

"Whenever any so-called musician or entertainer stuck his nose into the studio we quickly threw off the phonograph and introduced him. We were very hungry for live entertainment and everything went," Lew recalled nostalgically.

At that time radio station WAAM shared its frequency of 360 meters with two other New Jersey stations. It was the custom for the three stations to operate in 15-minute intervals, roundtable fashion. Most broadcasting stations rarely came on the air before 11:00 a.m. until WAAM pioneered first early morning broadcasts which began at 8:00 A.M.

It was by accident Lew became connected with the Newark station. He had taken a day off from his work with the telephone company to visit Ollie B. Hanson, who was building WAAM's 250-watt transmitter. Ollie had just received an offer from New York's WJZ and was looking around for someone to fill his shoes.

Lewis, W2CPD, is still licensed and operates from a little town called Tranquility, New Jersey.



This is John Huckaby, WA4ZIM-AD4ZIM of Chipley active on 2 meters plus Army MAES. John has a Heath 2er, globe scout homebrew 6146s, Drake R-4. He is also active in CD and is a member of CD Police. John works for the Florida State Road Department.

(Photo by W4IKB, Chipley)

Looking For A Change

I have pounded the green keys on and off since 1926. They were not green when I started but that is besides the point. It is this RTTY phase of teletype that intrigues me! You hear a signal warbling back and forth but until you get in sync with it and the old printer starts printing you never know what you have stumbled on to. It may be RCD-36, Tass in Moscow with Cuban press for Havana or it may be the Space Labs at Greenbelt with a prediction on the entry of a satellite.

If you care to try out your Spanish there are a half dozen or more commercials sending press to South America. If you can follow United Press Int'l as they jump from band to band you can get fresh world news items by the yards. NSS has a periodic unclassified press broadcast to the Fleet. Associated Press sends a string of news toships at sea. During hurricane season you can line up with the Miami Weather Bureau via WBR on a half dozen channels and get the latest reports prior to release elsewhere. Last but not least are the amateur bands. You can have some pleasant surprises with the signals from some of the foreign amateur RTTY stations.

If you are a bit tired of CW or phone and like to try something different all you need is a printer, terminal unit, and a

stable all band receiver. If you really get interested you can tie in the transmitter and join the boys chasing the quick brown fox over the laxy dogs back.

ONYX

THANKS, UNCLE

I have yet to listen on any active band for more than 15 minutes and not find something that I could classify as a violation of amateur rules and regulations. Instead of our continually belittling the boys of Uncle Frank Charlie, Charlie let's say thank you for being so tolerant with such a bunch of non-conformists!

ONYX

MEMBERSHIP CHANGE OF ADDRESS

Four weeks notice is required to effect change of address. When notifying, please give old as well as new address.

Advise promptly so that you will receive every issue of FLORIDA SKIP without interruption.

PLEASE GIVE ZIP CODE NUMBER

In the future if your SKIP is returned to us by the Post Office Department, we'll be forced to remove your name from our mailing list.

A Little Closer Look At The Code

By Ed Blatt, W4RUR

Over a period of nearly four-teen years of sending "on the air" code practice, a few not too widely known facts have been gathered by the writer which I think might be of interest to some of you.

First of all, lest we lose all of our readers who are "dyed in the wool" phone operators, let us remind you that it may soon be necessary for you to pass another code test at a speed higher than thirteen WPM in order to retain your present operating privileges. So read on, if for no other reason than possibly renewing your interest in an ability you were once so proud to have achieved.

Speed-- words per minute -- is based on the assumption that each word contains five characters plus the space at the end of each word. Therefore, thirteen WPM would produce 65 characters. Let's get a little more technical. As all copy is not composed of 5 letter words it is a little more accurate to say that 13 WPM will produce 65 characters plus 12 word spaces or a total of 77 characters and spaces in one minute. This is the system the ARRL uses in checking your copy for the Code Proficiency Awards.

Now for a quick check on your sending speed. Just see how

many letters you send in 12 seconds but not just any old letters. Use the word PARIS as that is one word containing the correct number of Bauds for a 5 letter word.

For you who are blessed with an electronic keyer, 5 seconds is all it takes to determine the speed your key is set for. Simply count the number of dashes it produces in 5 seconds and with correct spacing that number will be your speed in WPM.

A word of advice for those of you who are working on your 13 WPM for General. Concentrate on speeds only slightly in excess of 13--say 14 or 15. Don't figure on "playing it safe" and getting your speed up so high that the 13 WPM sounds strange. Another word of warning: get all the practice you can with copy that makes sense, not code groups. I have met many code students who could copy code groups at 17 or 18 WPM but got lost at 13 on straight text.

How about a few Do's and Don'ts for Novices?

DO listen on your frequency before tuning up or sending CQ.

DON'T send faster than you can receive hoping the other Novice will say Pse QRS--he may be an old time Morse man.

DO avoid the use of punctu-

ation -- it is rarely necessary.

DON'T send lengthy CQ's on an open band. 3 CQ's, your call 3 times. Repeat 3 times then listen for calls.

DO forget the "Shave and a haircut two bits" routine.

DON'T run words together--well spaced code is a pleasure to copy.

DO give honest reports. It may cost you a QSL card but it may spare the other fellow from a citation and you would like him to do as much for you.

Space must be running short. So we will leave you with the hope that you all may have as much pleasure in your CW as I have.

(From "SPARC-GAP")

New SCM For Eastern Fla.

Word has reached SKIP that Mr. Jesse Morris, W4MVB, P.O. Box 1241, Jacksonville Beach, Florida officially takes over as SCM (Section Communication Manager) February 26, 1967. All reports, communications and other matters concerning ARRL appointments should be addressed to him after the above date.

Jesse was at the Hamboree and met many of you in person. Let's all get behind W4MVB and give him our full support as we did Ham K4SJH. Ham, as you know was one of our very best SCM's in E. Fla. and he will remain on as Vice Director for the SE Div. Congratulations to both Ham and Jesse, and may typewriters run cool!

Beach Hams Wanted

With hundreds of licensed hams living on Miami Beach and the immediate area, there is no club for them to gripe in or about.

To remedy this void, Wayne, WA4YDJ, and Abe, WB4CLA are seeking charter members for a MIAMI BEACH AMATEUR RADIO CLUB.

All interested please call 866-2103 or 865-2653.

A Bit About Radio Waves

By Jack Wainwright, W4IEH

Energy that travels in free space from your transmitter to a distant receiver is in the form of radio waves. They move at the velocity of light and represent electrical energy that has escaped from your antenna and is captured by the distant end antenna. Radio waves are electromagnetic in nature and frequencies cover the spectrum from 15 kc. to the heat wave region of approximately one million megacycles.

The frequency represents the number of complete cycles of oscillations per second, and is the frequency of alternating current producing the wave. Wavelength is defined as the distance in space occupied by one complete cycle. The relationship of frequency and wavelength may be expressed mathematically by the equation

$$\lambda = \frac{300,000,000}{f}$$

where the wavelength is in meters and the frequency f is in cycles. The quantity 300,000,000 is the velocity of light in meters per second. Frequency is normally expressed in kc or

(continued on Page 11)

Ex-QST Editor Dies

A. L. Budlong, W1BUD, "Bud" to his friends, became a silent key on December 13, when he died at the hospital in New London, Conn. after a long period of illness. Bud was born in Washington, D.C. on November 2, 1901, and his life was devoted to radio communications.

He joined the staff at League Headquarters in 1925 and succeeded K. B. Warner as Secretary and General Manager upon KB's death in 1948.

During World War II he was a LCDR in the Coast Guard. During his tenure as ARRL secretary and General Manager, he participated in many radio conferences on behalf of the United States. He retired at the end of 1960 after watching the League double its membership during his 12 years as Secretary and General Manager, being succeeded by our current Secretary, John Huntton, W1LVQ.

(W3ECP in AUTOCALL Jan.)

It's A Fact

The odds are 2 to 1 if your car is stolen you left the key in it.

The odds of your really quitting smoking are good for 12 to 1.

The odds favor you on a tossed coin 5 to 4 if you don't call.

Seven out of ten say Heads.

The odds are 15 to 1 in favor of no more AM signals from 160 to 10 meters come 1970 as required by laws then.

The odds are 4 to 1 that a modified incentive plan will be passed before summer of 1965.

It is 7968 to 1 against your ever becoming a nudist.

BREAK - BREAK - BREAK

There was a time when you tuned in on a QSO and you listened until it was finished before you even thought about calling either party.

Along came voice operation with its roundtables and they began sneaking in a little faster.

Along came SSB with its VOX and fast break and then it began. No waiting, no call letters, just that raucous BREAK BREAK - BREAK BREAK.

I hope someone will soon come along with an answer to this irritable procedure?

**Support Our
Fighting Men In Viet Nam**

HOW IS YOUR DUTY CYCLE?

(continued from Page 4)

very much when we do talk; of course, a lot of us don't say much either.

I don't have any figures but from the above and from my own observations, it would be reasonable to suspect that SSB has only a 10% duty cycle, and the size transformers that many of the manufacturers are using would indicate that they think so, also.

Teletype with the FSK is equal to key down CW and would be 100% duty cycle except the other guy will talk to you. Usually this is the toughest service because most transmitters are designed for a maximum of 5 minutes on time so when you think the transformer is getting too hot turn it over to the other fellow and let him heat up his shack.

CW at worst condition would be about 30%. First, it drops to 50% because you listen also. Uncommon letters and numbers give the longest duty cycle. Examples would be zero, Q, Y, O, 9, J, and some of the punctuations. Let's look at a real bad one, a call like K8QYO. You all know that a dot is one unit; a space, 1 unit; a dash, 3 units; space after letter, 3 units; space after a word, 7 units. To send the call there would be 51 key down units and 33 key up units. This comes out to be 61% on time. Since the other guy is going to send the call back, the 50% transmit gets in again and reduces the duty cycle to 30%. If a normal sentence that does not have these unusual letters repeated very often, the duty cycle will reduce to about 20%.

(W8QUR - Ham Shack Gossip)

Ever measure the audio output of a unit with a high impedance volt-ohmmeter and then measure it with a vtvm and find they did not agree even though you knew both the VOM and the VTVM were accurate?

A VOM is a rectifying type device that deflects according to the average value of the sine-wave voltage but has a scale calibrated in r.m.s. units. The VTVM is deflected in accordance with peak to peak values, but the scale indicates r.m.s. voltage of a sine wave. It's that sine-wave part that is causing the difference. If you are measuring an audio tone with a sine wave form your readings will agree. If it is music or voice it will not. Maybe your meters are not so far off as you

A BIT ABOUT RADIO WAVES

(continued from Page 10)

me, more recently in kHz or MHz.

Radio waves may be polarized, reflected, refracted and diffracted and differ from other electromagnetic waves only in wavelength or frequency. They may traverse media other than space, such as water; then the wavelength is affected due to change in velocity factor.

The waves consist of magnetic and electrostatic fields at right angles to the direction of travel. The plane containing the magnetic and electrostatic fields is called the wave front. As above, the direction of wave travel is at right angles to the wave front.

Intensity or strength of a radio wave is measured in terms of voltage stress produced by the electrostatic field of the wave, and is expressed in microvolts per meter. The strength in microvolts per meter is also exactly the same voltage that the magnetic flux of the wave induces in a conductor one meter long when sweeping across the conductor with the velocity of light.

Types of radio waves may be classified according to the paths they follow in traveling as ionospheric waves, tropospheric waves, and ground waves. The effect of reflection, refraction and diffraction on the different type waves becomes a vast study in propagation for communications. Old Dr. Hertz certainly started something when he discovered radio waves.

(From B.A.R.C. Bulletin)

DOTS AND DASHES THE MOD. WAY

...OR ODE TO CODE

L.A. Connolly "C" W4DVO

Quite often I listen
To the KW sig with sock
Auto keyer about forty
Slower guys they mock.

Always in a hurry—
But I dunno
Somehow I think the traffic
Goes by way f Jerihco.

But it isn't the speed
Nor is it the drive
But a steady gait, sans misse's
that covers ground, like love
and kisses.

are sometimes led to believe.
Unless you are aware of the
"goes into" factor you cannot
match the "come out of" factor.

Onyx

A PRAYER FOR THE MIDDLE AGED

Lord, Thou knowest better than I know my self that I am growing older and will some day be old. Keep me from the fatal habit of thinking I must say something on every subject and on every occasion. Release me from craving to straighten out everybody's affairs. Make me thoughtful but not moody; helpful but not bossy. With my vast store of wisdom, it seems a pity not to use it all, but Thou knowest Lord, that I want a few friends at the end.

Keep my mind free from the recital of endless details; give me wings to get to the point. Seal my lips on the aches and pains. They are increasing, and love of rehearsing them is becoming sweeter as the years go by. I dare not ask for grace enough to enjoy the tales of others' pains, but help me to endure them with patience.

I dare not ask for improved memory, but for a growing humility, and a lessening cocksureness when my memory seems to clash with the memories of others. Teach me the glorious lesson that occasionally I may be mistaken.

Keep me reasonably sweet; I do not want to be a Saint — some of them are so hard to live with — but a sour old person is one of the crowning works of the devil. Give me the ability to see good things in unexpected places and talents in unexpected people. And, give me, O Lord, the grace to tell them so.

Amen.

(Author unknown)

DIALOG

Jennie: My! Aren't you excited?

Dynah: About wh-a-t-t-t? (she stuttered)

J Why! you were named Queen Far-a-day, weren't you?

D Why! yes thank Q.

J Oh, here comes Henry, and there is Phil A. You know them don't you?

D No, introduce me.

J Henry, want you to meet Miss Mo.

Henry: Pleased to meetchu, Miss Mo and this is Phil A., girls.

Phil: Charmed, I'm sure, well I was off and now I'm lit. Bye.

J Wonder what Phil A. ment? Oh, Henry you forgot to tell him my last name is RATOR.

D Oh, he is still charged. Up before the judge last week for public oscillation, assault and battery, and the judge says give this man a dry cell.

J That does it, I'm going ohm and practice the twist, and maybe I can get my final going. Been popping out on peaks. Sho nuff? Where's he live? Maybe you could get in tune with him and synchronize.

J No, he's damped but I C W is coming back. Fine, well 73, but don't overload your exciter, makes you chirp! That's for the birds, 73 bcnu.

ANOTHER PUBLIC SERVICE

(continued from Page 1)

WA5JMK, Gordon Fogg of Dallas.

This was the only link the family had with Mrs. Mac Niven (in Cleveland) until the phone lines were opened once more. Stations participating — WA4-IMC, W4IKB, WA5JMK, and K8-UVK.

Charlie Wooten, WA4IMC
Asst. EC, Bay County, Fla.

FLORIDA SKIP, February 1967 11



Here Bill McDowell K4Z DS (left) presents Tracy H. Doane WA4UJD of the North Miami Amateur Radio Club the winning prize for the highest score in the DADE AMATEUR WEEK contest sponsored by NOMARC. The main prize was a round trip to Nassau given by the Eastern Steamship Co. of Miami. Watch for announcements about this years contest.

(Photo via K4KRN)

HAM RADIO Just What Is It?

Powell May, W4FX

I guess it's what we as individuals make of it. In the beginning, it was simply a bunch of guys intrigued with the idea of talking to one another "through the air." Ordinary people couldn't do it, but we could. We were different, we knew how it was done. Marconi and US!! That was it.

More than fifty years have passed. What is Ham Radio now? It's still a bunch of guys who like to talk to one another through the air. The only difference is, they have found many different ways of doing it--Code-CW, Phone-Am, SSB Fone, RTTY, etc, etc. None of this changes the fundamental fact that it is still "communication." Fascinating and in-

teresting as a personal hobby, yes. A tool of international good-will, yes. It is still more. It is a means of serving the general public in the form of social messages to their distant friends. It can tie families together with birthday and anniversary greetings. It serves the nation in time of emergency.

To do this effectively, we need organization. It is already provided in the ARRL National Traffic System. Unless you have taken part in this activity you probably have no idea of how extensive it is, nor how many hundreds of hams, both phone and CW, give of their time and ability to it, day after day, and night after night. A relatively few make "BPL" because of

lack of time mostly, but productive schedules are also important. To rack up 500 message handlings in a month averages out at about 17 per day including Sundays.

Let's bone up on traffic handling by reading the Operating News and Amateur Radio Public Service Corps in each issue of QST, then let more of us take an active part in it.

(From the Tenn. Ham)

FINGER LEAKS

Heard on 3.9mHz - An XYL describing her husband as a "beer barrel supported by two dill pickles."

(ARRL OB 90)

TOP TWENTY TRAFFIC TAKERS

Each month we are happy to list the top 20 Florida traffic takers. We hope to see your call here next month. For December 1966:

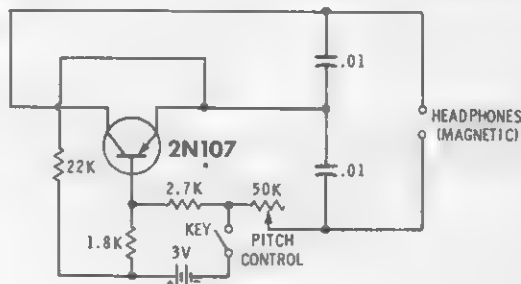
1. WA4SCK	BPL	977	11. WA4TWD	333
2. W4TUB	BPL	552	12. WA4NBE	325
3. K4VFF	BPL	489	13. WB4AJV	290
4. WA4BMC	BPL	454	14. WA4IMC	246
5. WA4NEV	BPL	450	15. WB4AIW	234
6. K4YSN		420	16. WA4IZZ	BPL 212
7. W4ILE	BPL	400	17. W4BJD	190
8. W4BVE		390	18. WA4DEL	181
9. W4FPC		362	19. WA4ZEV	BPL 163
10. WA4YIH		361	20. W4FPP	160

TRAFFIC MEN

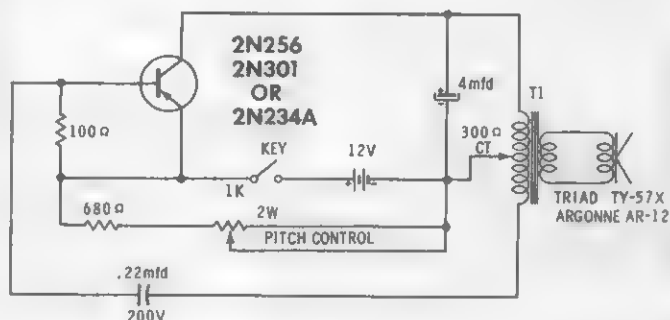
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Code-practice oscillator capable of driving a speaker.

New Moonbounce Record

Attention VHFers. The long continued moonbounce efforts of VK3ATN paid off on November 28 when a 6 minute QSO was completed with K2MWA/2, the Crawford Hill VHF Radio Club.

The distance was 10,300 miles on 144 Mc., almost double the previous record, and set a new moonbounce distance record, regardless of band. Antennas were a large stacked rhombic at VK3ATN and a 60 foot dish at K2MWA/2.

(ARRL OB 90)



The Florida Side Banders Association

By "Chuck" Ritchie W4BUG

Here it is the New Year and with its beginning The Florida Side Banders Association looks forward to an exciting and full year of Ham activities. One of our many worthwhile projects is our support of the Amateur Radio Station at the Florida

State School for the Blind at St. Augustine. A new antenna system has been recently acquired as a gift from the estate of W4KDJ of Delray Beach. It is our hope that this antenna system will greatly enhance the operation and enjoyment of this station.

WA4WOW, Calvin J. Smith of 5941 105th St., Jacksonville, was certified as member number 288. Calvin is 41 years of age and is married and has 4 boys, has been employed by the Seaboard Railway as a machinist for over 25 years and is still serving in that capacity. WA4WOW is active on all the bands including 6&2 meters, and like to handle traffic and work good DX when it comes his way. Welcome to the association Calvin.

The annual Side Banders, breakfast held in conjunction

with The Tropical Hamboree in Miami, is always looked forward to, by those of us lucky enough to be able to attend, as it offers a chance for an eyeball QSO with those whom, ordinarily, we only get a chance to talk to over the air. It also affords the XYLs an opportunity to get to know the other guys and gals.

As February is a short month I am going to take the hint and cut this column short. (And hope that I can find more material for the next issue which is March).

'BUY FROM YOUR FELLOW AMATEUR' DEPARTMENT

FELLOW AMATEUR: Here are several firms that have an interest in YOUR business! They have seen fit to support the FLORIDA SKIP by giving us a little revenue each month in return for your support. If you have a need for the services listed, you can't possibly do better than to deal with a fellow amateur, now can you?

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All your questions answered from start to finish in amateur communications. A "must" in every ham shack, be it new or old! See two-page in December QST.

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ALL AMATEURS INVITED TO ATTEND
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ARMY MARS

By AD4VWY (WILL)

After many months of planning, delay, headaches, work, sweat and tears, the VHF FM repeater program in both Florida one, and Florida two is finally getting off to a good start.

Florida one now has their repeater going in a temporary location west of Orlando, with plans going forward for a more permanent installation, and a much higher antenna. Reports from the Fla. 1 gang indicate good results from the temporary installation.

In Florida two, Lou, A4VPQ, has been working constantly to improve the Fort Pierce repeater . . . and the results of his labors are obvious. The efficiency of the receiver and transmitter has been improved, so that now it is possible for stations from south of Miami to Tampa to successfully trip the repeater most of the time.

Stations now active through the repeater include, June, AD4ESL; Russ, A4ZXI; Bun, AA4EBG; Dick, A4DRD; Bill, AD4IHH; Ted, AA4NTA; Vince, AD4ESM; Joe, AD4TZI; Chris, AD4WVE; Lou, A4VPQ; Ches, AA4KKZ; Bill, AD4YIA; and Mac, A4SEA. Its reached a point now, where you can punch your mike almost any night to see if anyone is around . . . and there always is!

Stations in Florida two who are in various stages of testing out their gear, and getting it into operation, include, Gene, AD4WCV; Lou, AD4SEO; Hal, A4CWI; Ken, AA4GUE; Gene,

PUBLIC SERVICE ANNOUNCEMENT

2nd Class FCC LICENSE PREPARATION & AMATEUR RADIO THEORY (GENERAL CLASS) Tuesday, Wednesday, Thursday - 5:00 p.m. - 6:40 p.m. Enrollment fee \$2.00 per trimester.

Hialeah High Adult Education Center Dade County Public Schools, 251 East Forty-Seventh Street, Hialeah, Florida 33012 Phone: 822-1500.

14 FLORIDA SKIP, February 1967

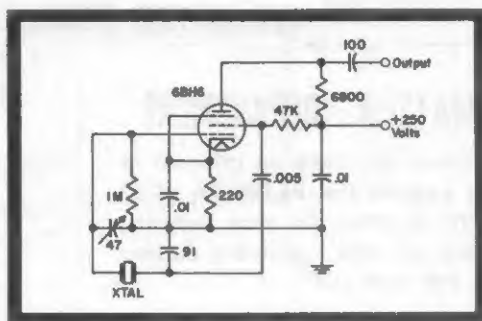
AA4KHT; Dick, A4FBS; John AD4GKF; Van, AD4JLM; Jim, AD4GWW; Chris, A4FCP; Leo, AA4RRC, and many others. Many of these stations have already been successful in either tripping the repeater . . . or in hearing it, and are now working on their equipment to bring it to a point where they can be "regulars". Proof of the in-

creased interest in VHF can be seen in the December report of the two meter net . . . where 19 stations participated for a total of 100 check-ins! This is a new record of VHF activity for Florida two . . . and may well be a new record for the entire Third Army area!

So . . . if you've been thinking of getting in on the activity on

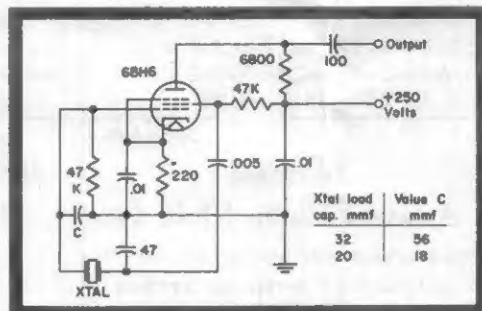
VHF, this is the time! If you need help with your equipment conversion, or in any technical problem, contact A4ZXI, AD4IHH, or any of the stations already active. They'll be glad to help you! Listen for the nets through the Fort Pierce repeater, each Tuesday and Thursday at 8 P.M., EST, on 143.99. See you on two!

typical circuits and data



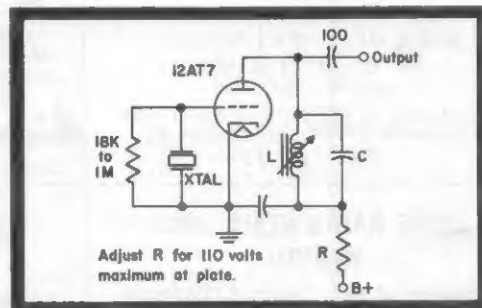
70-200 KC

This circuit includes a variable capacitor for precise adjustment of the crystal frequency. It offers a load capacitance of 32 mmf to the crystal. This circuit may be used for frequencies up to 10 mc.



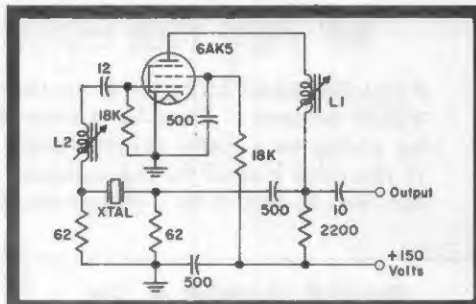
200-20,000 KC

Room temperature stability of a few cycles can be obtained with this circuit. Driving power will average about 5 milliwatts. By making capacitor C variable, exact frequency can be obtained.



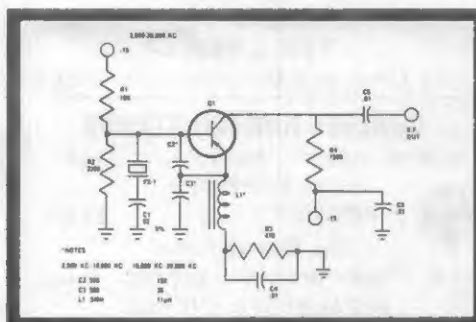
10-60 MC

Third mechanical overtone operation requires a tuned output circuit. This circuit is simple to construct and will operate up to 60 mc on third overtone crystals with reasonable output.



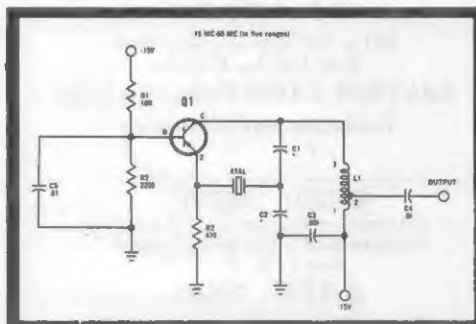
60-137 MC

Fifth or seventh mechanical overtone will be derived from this circuit. Drive level must be kept below 2 milliwatts.



2,000-20,000 KC

This transistor circuit uses a fundamental crystal for frequencies 2,000 to 20,000 kc. Frequency variation $\pm .0005\%$ max with 6 vdc to 15 vdc.



15-60 MC (in five ranges)

This circuit uses 3rd overtone series resonant crystal. Output better than 1.0 volts rms RF across 2200 ohms.

HAMBAR

This column is FREE to any licensed Radio Amateur who is a subscriber to Florida Skip. Limit 3 per year. Additional \$1.00 each. Non-subscribers and non-amateurs \$1.00 each up to 10 lines. All listings are cancelled each month. If your listing is not moved, it will be necessary to relist the following month.

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DOW relay, one with 12V and one 115V coils, \$5.00 each; New Swan 350 and 117AC supply with warranty cards \$450.00 firm. B. E. Cole, K4LZW, 901 Homewood Dr., Brandon, Fla. 33511, Phone 689-2400.

FOR SALE OR TRADE FOR CASH: Factory wired Johnson Vallant, HQ 110-C, Johnson LP filter, pr GL 813's pr 6146's, misc tubes. First \$250.00 takes all, sell part also. Jack Wachter, W4OBA, 37 Samana Dr., Miami, Fla. 33133.

About the best and finest thing in the world is laughter.

FOR SALE: Poly-Comm 62B transceiver for 6&2 meters, with mike, 3 xtals, and choice either 3 el beam or coax antenna for 6, \$150.00. John McIntire W4LVW, 3215 San Mateo St., Clearwater, Fla. 33515, Tel. 726-3448.

FOR SALE: Heath HO-10 monitor scope and HO-13 panadapter, both perfect working order, but found incompatible with my Drake equipment IF. IF freq below 500 kcs anywhere for HO-10 and anything below 3395 kcs for HO-13. Woe is me. Manuals will sell \$60.00 each unit or both for \$100.00. Reid Martin W4VDY, Ft. #1, Box 134B, Tavares, Florida, Tel. 904-343-4122 nites.

FOR SALE: Viking Vallant \$125.00; Weston meter 0-250 ma, Simpson 0-300 ma, Triplet 0-25 ma, Triplet 0-100 ma, or 0-10 volts dc meters @ \$2.00 each; 2 ea. Potter-Brumfield DPDT 12VDC relays, \$2.00 each. W. Herbert Combs, W4KEB, Star Route, Jensen Beach, Fla. Tel 287-6617.

FOR SALE: Globe Scout 40A transmitter, \$25.00; Gonset 6, 10, and 15 meter converter \$15.00. Also many surplus units. John DeVine W4CMH, 6291 Lake Geneva Rd., Miami Lakes, Fla. Tel 821-6540 after 4 PM

FOR SALE: Novice xtals, all bands \$1.30 each, also other frequencies, free list available. Dealer and club inquiries invited. Nat Stinnette, W4AYV, Umatilla, Fla. 327-84, Tel. 669-3181.

SELL OR TRADE: VHF/UHF signal generator 90 to 600 MHz on fundamental. Navy model LAF -3. Beautiful silvered cavity. Frequency and attenuator controls have digital dials. Built in (110 A.C. input) regulated power supply, cw or am and pulse modulation. In its cabinet, weight is about 50 pounds. Selling for \$40, or trade for good RF step attenuator, 50 ohms, 0-60 db Daven or equal or trade for good VTVM or 3 inch scope. Also sell DB-22A bandswitching 2 stage preamplifier, 540 thru 44,000 kHz. Self contained power supply, manual, cabinet, \$10. M. B. Goldblatt, W4EMB, 11801 S.W. 70 Avenue, Miami, Fla. Phone 666-6997.

FOR SALE: Cosmophone "50" with power supply, AC type, 10-80 meter bilateral rcvr-xmtr, upper or lower sideband, cw or AM, VOX — \$250. Walt Mertens, WN4ETK, Keith Road, Rt. 2, Jupiter, Fla. 33458

FOR SALE: HE45B, 6 meter transceiver, complete with AC and DC cord, mike and 6 meter squalo and whip antenna, 3 xtals — \$75. Collins power supply DC model 156E-1 — \$75. HA6 Hallicrafter 6M transceiver in original case with dual power supply, never used — \$125. Globe VFO — \$25, 10 thru 80 meters will trade for 2 meter FM. Sol S. Katz, WB20TH/4, 1515 S. 14 Avenue, Hollywood, Fla. — 922-2155.

FOR SALE: National NC-300 RCVR, 100 kc calibrator and NC-300 converter Covering 6-2-1 1/4 meters, excellent shape, \$150. Ameco TX-62 transmitter excellent performer on 6 and 2 meters, new spare final, \$85. National VFO-62 for 6 and 2 meters. Replaces any 8 mc rock built in AC supply and calibrator. \$25. Ameco nuvistor converter for 2 meters. CN-144 (If 30.5—34.5 can be shifted by xtal change). Complete with matching Ameco power supply PS-1. All of the above manuals, in very gud shape, only reason for selling, going sideband on 6 and 2. Don W4SVS, 311 Del Sol, Melbourne, Fla. 723-3590.

Times wire super low loss coax, T4-50 and aluminifoam, distributor, Microwave Equipment Co., 4121 N.W. 27th Street, Miami, Fla. 633-3415.

FOR SALE: 2 Gonset G-76 100 watt transceivers, covering 6 thru 80 meters. One with AC power supply by Gonset in matching cabinet with speaker. The other with Gonset transistorized DC pwer supply for mobile or emergency use. \$175.00 each, in excellent condition. SBE 33 transceiver 15-80 meters SSB, upper or lower sideband. Speaker and AC power supply built-in. Package also includes mobil bracket and SBE DC transistorized 12 volt power supply and mike. Excellent condition, \$225. complete. Phone HI 8-9488

FOR SALE: Unconverted BC-348H complete \$18.00. Heath Condenser checker KC-3 \$12.00. Dowkey 110v.a.c. coax relay with extra contacts, like new \$9.00. HRO receiver power supply. \$7.00. Duomatic Electronic Keyer with paddle (Model AKS-7) \$30.00. 200 kc marker with xtal

\$50. Used replacement TV transformers. \$2.50. All FOB. Andy Clark W4YIT, 41 Lenape Dr., Miami Springs, Fla. 33166. Phone 888-3874.

WANTED: More group and/or station photos. Any size above 2X2 will do. Don't be shy — send one in. SKIP Editor.

Many people might become outstanding except for their fear of being different.

WANTED: Teletype Model 28 typing units, etc plus parts; SELL 14s, 15s, 28s and parts. F. G. Schmidt W4NYF, 405 NW 30 Terr., Ft. Lauderdale, Fla. 33311, Tel. (305) 583-1340 after 9.

FOR SALE: #35 foot steel tower only \$5.00, if you don't have dough will be happy to trade. U-haul. Brad WB4AVN, 2823 Oakland Ave., Lakeland, Florida 33808.

FOR SALE: Heath twoer like new \$35.; new mike for 2er or 6er \$2.00; Two

TRADE: Almost new HW-12 w/mike and AC supply for good CW receiver, such as 2B, SX101, NC300, etc. Robby Terry W4BYV, 412 S. 160th Ave., Hollywood, Fla.

TRADE: Heath 3-piece stereo components, pre-amp and two 55-watt amplifiers in very good condition, accepts all types components. Trade for good general coverage receiver. FOR SALE: AKAI-four track stereo recorder model M-8, 1-7/8 to 15 ips, professional quality, \$250.00 firm; Miranda 4 track stereo recorder, all push-button, teak case, 2 speeds \$200.00 firm. Sgt. Fred Philcox, 2953 B Vermont Ave., Homestead AFB, Fla., Tel 257-2233 after 5 PM.

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FOR SALE: Hallicrafters SR42A, HA-26 VFO, E.V. Mike, 40' lightweight crankup tower, 15 El. 2 meter beam, plus mobile mounts, power, ant. works down into the MARS frequencies. \$295.00. WA4WBF—George Reaves, 118 N. Lake View Ave., Winter Garden, Fla. 32787.

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LETTERS

(continued from Page 2)

EDITOR:

Here's a \$5 check to carry on my Florida Skip subscription. Enjoy every issue and enjoy the articles very much, especially on VHF as that's my favorite. Keep up the good work and hope to see you at the Miami Ham-boree. 73, Don Lynne, W4SVS, Melbourne.

TNX TO W4DVO:

I received the radio-gram today you sent me from my son. I wish to thank you for letting me hear from him. He has been in Viet Nam since last August and he writes home often. Hearing from him almost direct seems much warmer than a letter. I wish to thank you with all my heart for being so considerate and taking time out from a busy life to think of other people. Thanking you again and wishing you a very happy New Year, Mrs. Juanita Carr, Dade City, Fla.

The other morning I overheard one of the discussions concerning the incentive licensing problem. There was considerable criticism of "conditionals" by a couple of old timers. After the usual pros and cons one fellow came back with something that I believe most of us have overlooked. He said, "Let's not forget that for every "conditional" who holds a license and is not qualified it was a "general" that gave it to him." Seems we are quite prone to raise the devil about things but let's make sure when we place blame that it goes to the right place. ONYX

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New Handbook Presents Advanced Radio Construction Data

Regardless of how advanced the radioman becomes, he rarely outgrows the desire (or necessity) to design and construct communications equipment—or to modify existing units—for his own special requirements.

Unfortunately, most how-to-build manuals on communications equipment present only sufficient details for building pre-engineered models. Considerably more information is needed by those who want to design, construct, or modify equipment.

They need a book combining basic theory and detailed reference data with practical construction information...and this is the type of information found in the new 17th Edition of **RADIO HANDBOOK**, by William L. Orr W6SAI.

It is a comprehensive communications manual written especially for advanced amateurs, engineers, and technicians who need more detailed design and construction reference information.

It includes hundreds of pages of basic theory and reference data, and it explains how to design and build all types of radio communications equipment.

Included in this new 17th Edition are much enlarged sections on single-sideband equipment and design and semiconductors. Other topics which have been expanded are r-f feedback amplifiers, and special vacuum-tube and transistor circuits.

All other material has been thoroughly revised and brought up to date, and touches briefly on those aspects of industrial and military electronics that are of interest to the communications radioman and advanced amateur. All equipment described in the construction chapters is of modern design, free of TVI-producing problems.

Copies are available from electronics parts distributors and bookstores throughout the country, or from the publisher.

REVIEW COPIES AVAILABLE UPON REQUEST FROM: R. R. Fleck, Editors and Engineers, Ltd., New Augusta, Indiana 46268. Tear sheets of your review would be appreciated.

RADIO HANDBOOK, 17th Edition
16 FLORIDA SKIP, February 1967

Florida QSO Party

FLORIDA SKIP, the all Florida Amateur Radio publication, is happy to announce the third annual FLORIDA QSO PARTY to be held April 1st and 2nd., 1967. All amateurs are invited to participate. Florida amateurs are urged to work as many out of state stations as possible as well as those within the state.

CONTEST PERIODS: 1500-2000, 0000-0500, 1400-2400, all times GMT.

NOW POWER RESTRICTIONS: NO TIME LIMIT.

SUGGESTED FREQUENCIES: CW: 1815, 3530, 7030, 14,030, 21,030, 28,030 kHz. **PHONE:** 3930, 7230, 14,230, 21,330, 28,830, 50,250 kHz.

SCORING: Florida station, 1 point per QSO X number of states, Canadian provinces and counties. Other stations in Florida may be worked but only for contact points and to work for their W.A.F.C. (Worked All Florida Counties) award, but no other multiplier except as a state.

Out of state stations: One point per QSO X number of Florida counties worked on all bands. Bonus points will be given for working Florida counties as follows: First 15, 100 points. Second 15 counties, 200 points. Third 15, 500 points. All 67 counties, 200 points. Third 15, 500 points. All 67 counties 1500 points. Phone and CW contests separate scoring. Stations may be contacted on each band (i.e. 1815, 3530, etc.) for points.

CERTIFICATES: Awarded to highest scoring station in each state, Canadian province and foreign country (with 5 or more contacts) and Florida county. This year the top 3 in the U.S.A. or Canada will receive a beautifully bound Ham Shack Guest Book donated by W4PUJ Electronic Tubes of Clewiston, Florida.

LOGS: All logs must be postmarked no later than April 30, 1967 and mailed to: FLORIDA SKIP, Contest Chairman, P.O. Box 501, Miami Springs, Florida 33166.

Good luck ES 73.

David L. Hayden, W4WHK

CLUB NEWS

(Continued from Page 7)

FORT MYERS

By W4SMK

Last month the club enjoyed a visit to the NASA tracking station near Ft. Myers (See antenna in Jan. Skip). They have a new building and several new types of operation at the station. This station tracks only the scientific and unmanned satellites. Visitors are invited and it is very interesting to anyone with an electronics background.

Month before last we had a 10 meter hidden transmitter hunt. WA4LFZ and a crew finished first, followed by W4WYJ and party, and coming in last and winning the grand prize incidentally was K4HNW and his group. We hope to have more mobiles on next time, as this was our first attempt at this sort of thing, but everyone had a fine time.

The big news in Feb. will be that Barry Goldwater, K7UGA, will be guest speaker at the local Chamber of Commerce banquet. The FMARC plans to hon-

or him in some fashion while he is here.

W4LNE/MM is home once again after traveling all the way around the world on the "Amarillo Victory". While he was in the Mediterranean W4KET and myself had to send him the bad news that his Aunt, who was also a member of our Novice Class, had been killed in an auto wreck. We were able to get the word to him just a few hours after the accident by calling on 20 meters. In contrast a commercial radiogram his family sent did not arrive for several days. Sometimes amateur traffic handling is fastest. WA4LKY has been doing a fine job handling phone patches for W4LNE/MM while he has been at sea this trip.

K4HNW has been arranging some good programs for the club. In Jan. we will be visiting the studios of WINK-TV and radio for a tour. Hope some of you visitors in the area can join us. Since I missed one month's column I'll say ARL 60 to all.

Ken

PUT ZIP
in
your mail

Include
ZIP CODE NUMBERS
IN ALL ADDRESSES

DIALOG

Scene: Present time. Any amateur radiotelephone band.

LID: "...the QRMary is making copy difficulty, and the QRNancy is bad, too. The Queen Sugar Baker doesn't help, either. Guess I'll have to QRT that message..."

1st RDO OPR: "That Old Boy must have been a brasspounder since Spark days. He just can't break away from the radiotelegraph prowords."

2nd RDO OPR: "Him? Heck, no; he's no old timer. He just got his license a few months ago. That's a reissued call. He's never operated CW and probably wouldn't recognize his own call at 5 words-per-minute."

1st RDO OPR: "Then why all the radiotelegraph prowords?"

2nd RDO OPR: "Oh, he's just got the usual case of liditis. He throws those words into his conversation to try to make everyone think he's a hot-shot brasspounder, even though it takes twice as long to say it as in straight English. You know how lids are, though...always making a simple thing complicated and mysterious. A hang-over from childhood, I suppose. Leastwise, that's the impression one'd get from listening to the "10-4s" on the Childrens Band."

1st RDO OPR: Do you suppose he'll ever get wise and grow up and start using normal English?"

2nd RDO OPR: "What? And get kicked out of the International Order of Bumbling Lids?"

(From COLLECTOR and EMITTER)

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